



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

### AUTHORITY TO CONSTRUCT

B012945

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

**EXPIRES LAST DAY OF: JUNE 2019**

#### **OWNER OF OPERATOR (Co.#2389)**

LDS Scientific, Inc.  
2060 Placentia Ave., Suite A4  
Costa Mesa, CA 92627

#### **EQUIPMENT LOCATION (Fac.#3774)**

LDS Scientific, Inc.  
9501 Commerce Way  
Adelanto, CA 92301

#### **Description:**

PLANT OIL EXTRACTION SYSTEM, CANNABIS consisting of: a laboratory scale collection of tanks (includes propane storage), tubes, heaters, scales, pumps, and pressure gauges configured to effectively extract cannabis oils from marijuana plants. Process should take place in an explosion proof room classified as Class 1, Division 1, spark free, with large and rapid air exchange rates; C1D1 rooms are typically used to contain the extraction equipment and have an emergency air intake and exhaust system that can operate at very high air exchange rates, such as 14,000 CFM. These rooms typically employ a continuous airflow system that can operate at 10,000 CFM. The oil extraction process is a solvent (Propane) based closed loop system. VOC emissions consist of propane emissions. Facility Elevation is 3011 feet above sea level.

#### **CONDITIONS:**

1. This Oil Extraction process shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rule 204]
2. This equipment and the Oil Extraction process shall only take place in the Class 1, Division 1, explosion proof room, as described in the description. [District Rule 204]
3. The only solvents that can be used in the Oil Extraction process is propane. Prior to changing solvent, the owner/operator must apply for a permit modification and have the approved, modified permit before use.

Fee Schedule: 7 (a)

Rating: 1 device

SIC: 2833

SCC: 30299999

Location/UTM(Km):  
459E/3825N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**  
**Eldon Heaston**  
Air Pollution Control Officer

[District Regulation XIII]

4. A log pertaining to the operation of this equipment must be kept for a period of two (2) years. The last two years' records must be kept on site, and must be made available upon request of District personnel. This log shall contain the following information:

- a. The date and hours of operation each time the Oil Extraction process is ran; and,
- b. Monthly and calendar year totals of the amount of propane used in the Oil Extraction process; and,
- c. Copies of the Environmental Data Sheet and/or Material Safety Data Sheet (MSDS) for each solvent and material used in the Oil Extraction process.

[District Rule 1302]

5. The owner/operator must take all steps necessary to preclude odor migration from this facility, including but not limited to, carbon filter change outs whenever breakthrough is indicated, keeping doors and windows closed to the maximum extent possible, isolating odor-emitting activities from other areas of the buildings through closing doors and windows, and operating air filters continuously during cultivation activities.

[District Rule 402]

6. This equipment shall emit less than 25 pounds of propane per day, and shall emit no more than 3 tons (6000 pounds) of propane per year.

[District Regulation XIII]

7. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]